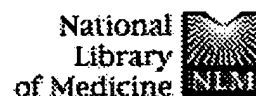


# WEST Search History

DATE: Monday, September 22, 2003

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT; PLUR=YES; OP=OR</i>			
L21	L20 and (glycine or hydrophilic) same linker	32	L21
L20	L17 and transmembrane same glycine	299	L20
L19	L17 and antigen	506	L19
L18	L17 and influenza	79	L18
L17	L16 and glycine	646	L17
L16	L15	1010	L16
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR</i>			
L15	L14 and (protein or antigen)	1821	L15
L14	transmembrane same (hydrophilic or glycine)	1850	L14
L13	6169175.pn. and (hydrophilic or glycine)	1	L13
L12	L10 not ad>08061997	0	L12
L11	L10 not ay>1997	0	L11
L10	protein with linker same glycine	339	L10
L9	protein with linker and glycine	4572	L9
L8	influenza with virus same M2 with transmembrane	8	L8
L7	influenza with virus and M2 same transmembrane	27	L7
L6	influenza with virua and M@ same transmembrane	1	L6
L5	L4 and sequence same M2	13	L5
L4	a/aichi/2/68\$9 and virus	43	L4
L3	a/aichi/2/68\$9 same M2	2	L3
L2	a/aichi/2/68 same M2	2	L2
L1	a/aichi/2/68 and virus	42	L1

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## Temperature-sensitive influenza A virus clones originated by a cross between A/Aichi/2/68 (H3N2) and B/Yamagata/1/73.

Tobita K, Tanaka T, Goto H, Feng SY.

A genetic cross was performed between influenza viruses B/Yamagata/1/73 and clone 6-10, an A type influenza virus derived from a cross between A/Aichi/2/68 (H3N2) and B/Yamagata. Efficiency of plating of B/Yamagata at 39.5 degrees C was less than 10(-3) in MDCK cells, while that of clone 6-10 or A/Aichi was higher than 10(-1). Four of the 15 clones selected for HA of Aichi serotype from the mixed yield, where type B virus was predominant over type A, were temperature-sensitive (ts), with efficiency of plating at 39. degrees C less than 10(-2), exceeding the frequency of spontaneous ts mutants among clone 6-10 progeny. Thus, co-existing type B virus not only interfered with the replication of type A, but also rendered it temperature-sensitive. Genetic analysis of the 4ts clones using a set of ts mutants of influenza virus A/WSN (H0N1) revealed that these clones, in contrast with the spontaneous ts mutant of clone 6-10, with ts defect only in NP gene, possessed ts lesions in multiple genes including a common ts defect in M. Polyacrylamide gel electrophoresis of viral RNA and proteins of these clones showed an identical gel pattern to that of clone 6-10, although the rate of synthesis of individual viral polypeptide was variable from clone to clone.

PMID: 6830443 [PubMed - indexed for MEDLINE]

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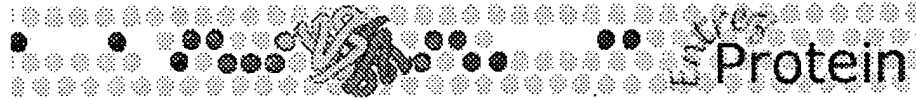
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# ☐ 1: AAA43276. membrane protein ...[gi:324298]

[BLink](#), [Domains](#), [Links](#)

LOCUS AAA43276 97 aa linear VRL 23-JAN-2001  
 DEFINITION membrane protein M2 [Influenza A virus (A/Aichi/2/68 (H3N2))].  
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 VERSION AAA43276.1 GI:324298  
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 ORGANISM Influenza A virus (A/Aichi/2/68 (H3N2))  
 Viruses; ssRNA negative-strand viruses; Orthomyxoviridae; Influenza A viruses; Influenzavirus A; Influenza A virus; H3N2 subtype.  
 REFERENCE 1 (residues 1 to 97)  
 AUTHORS Ito,T., Gorman,O.T., Kawaoka,Y., Bean,W.J. and Webster,R.G.  
 TITLE Evolutionary analysis of the influenza A virus M gene with comparison of the M1 and M2 proteins  
 JOURNAL J. Virol. 65 (10), 5491-5498 (1991)  
 MEDLINE 91374604  
 PUBMED 1895397  
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